

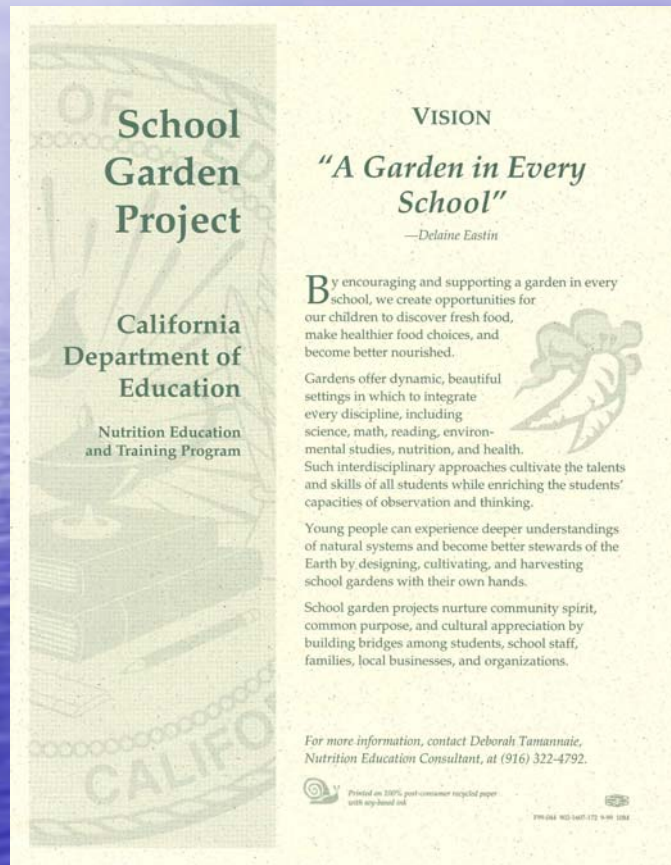


The California Experience: **Engaging the Child in the Natural World**

Partners In Stewardship

Dan Desmond
University of California

Guiding Forces in the California Experience



- **State Dept. of Educ. – Delaine Easton**
- **Strengthen Science Education**
- **Improve Children's Nutrition**
- **Improve Environmental Education**

Guiding Forces & Working Models in the California Experience


- **Urban setting with diverse student body**
- **Large area available**
- **School landscape an afterthought**
- **Charismatic leaders: Principal & Alice Waters**
- **Complete food cycle**

The Edible Schoolyard

From the garden, and the kitchen, and the table,
you learn empathy—for each other and for all of
creation; you learn compassion; and you learn patience
and self-discipline. A curriculum that teaches these
lessons gives children an orientation to the future—
it can give them hope.

ALICE WATERS



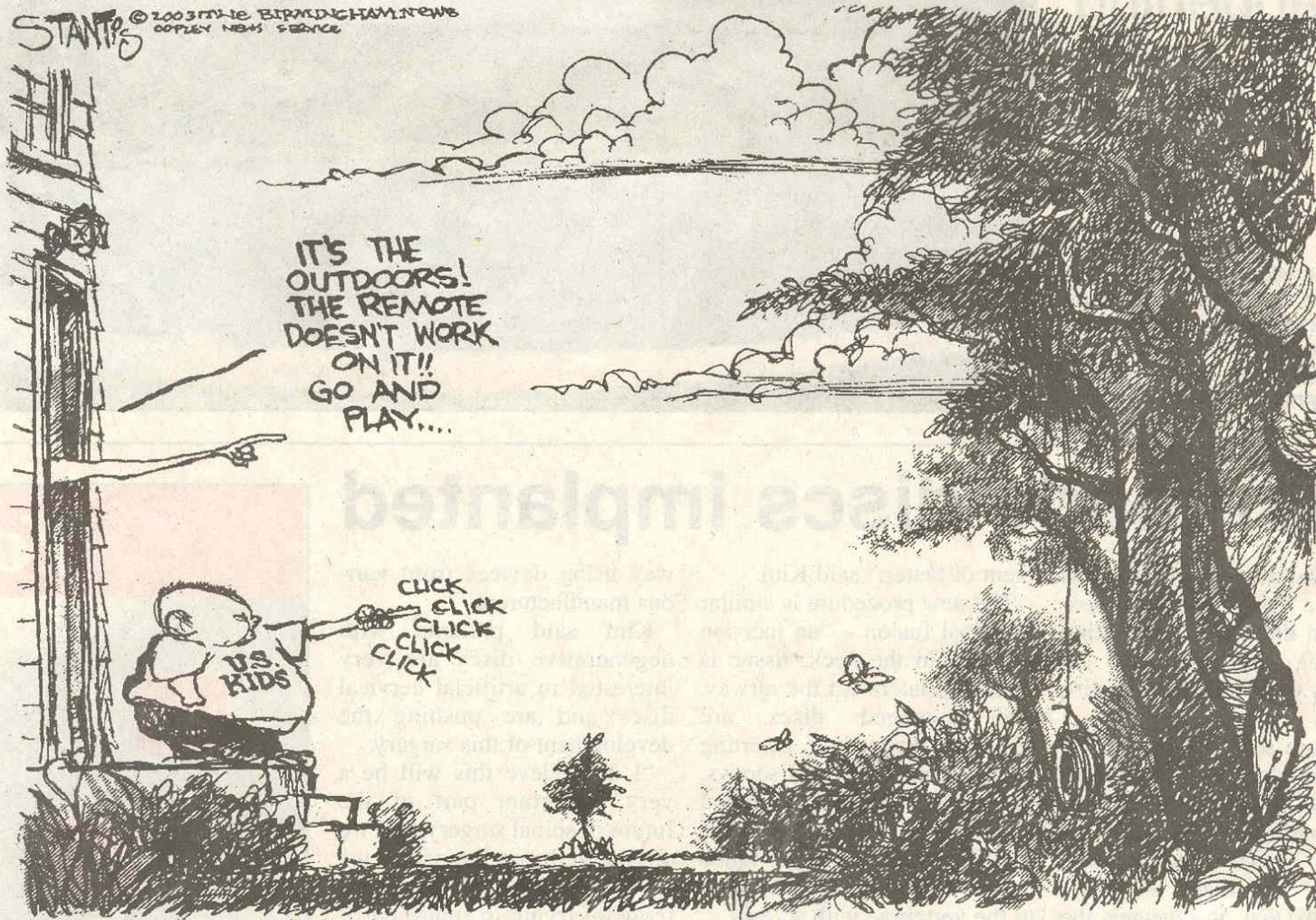
Learning in the Real World. 
A PUBLICATION OF THE CENTER FOR ECOCITIZENRY

Why Environmental Education & Ecological Literacy?

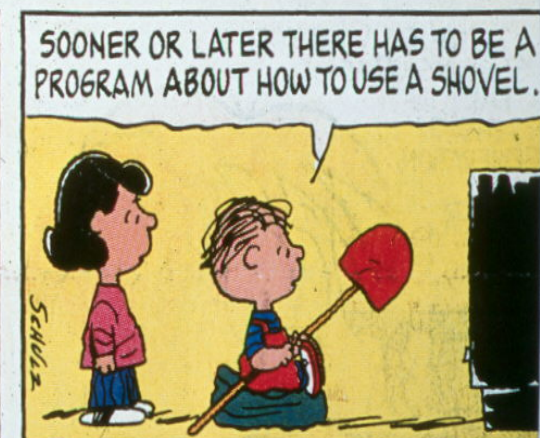
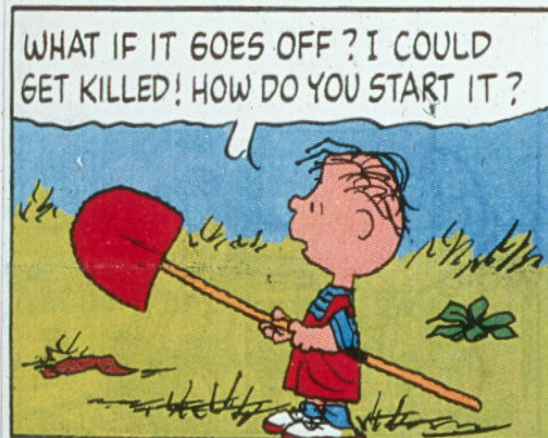
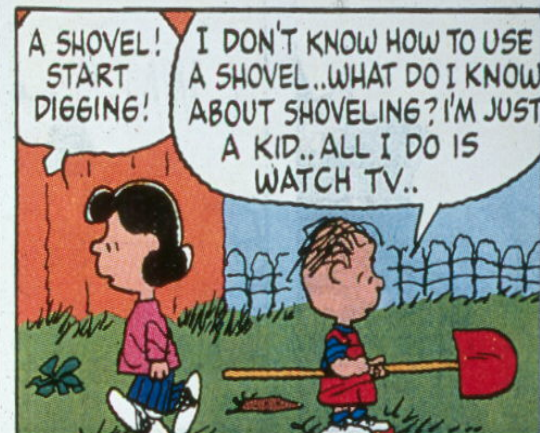
- **Demonstrated Need in Education**
- **Documented Evidence of Success in Schools**
- **Lessons From Agricultural Literacy Research**
- **Need for Active Engagement in the Real World**

Opinion

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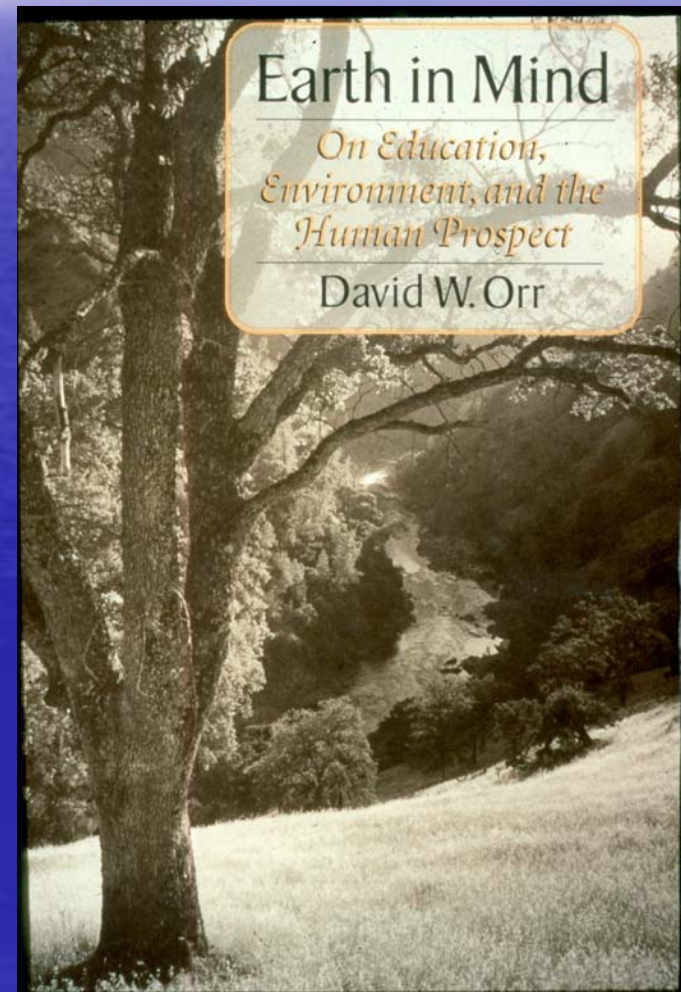
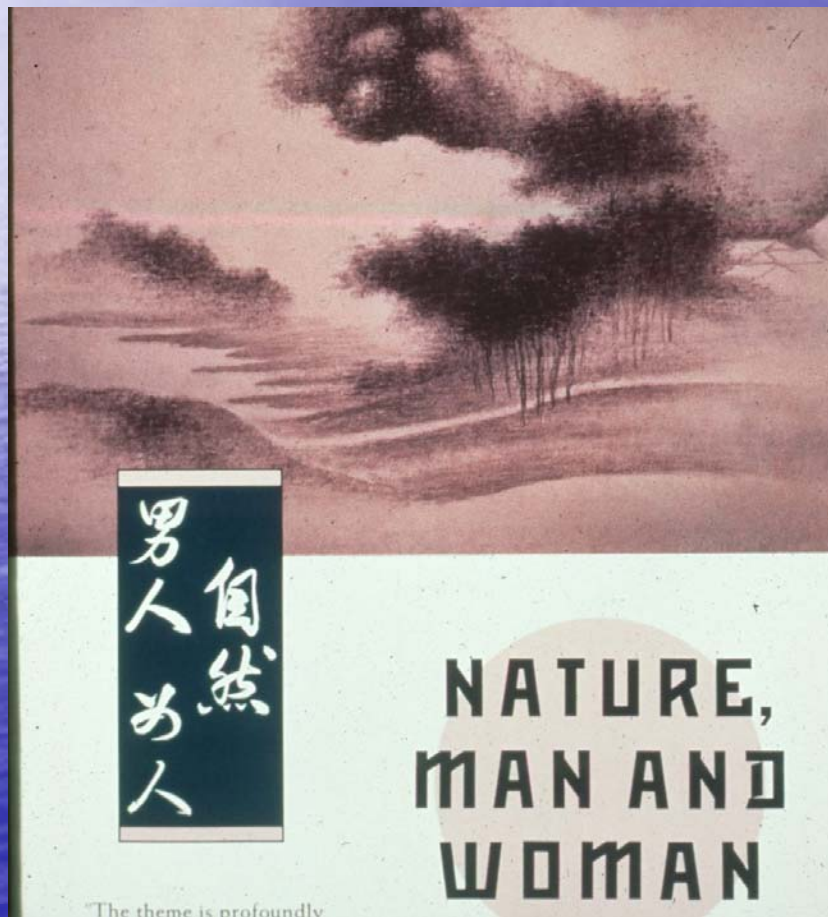


PEANUTS®/ by Charles Schulz

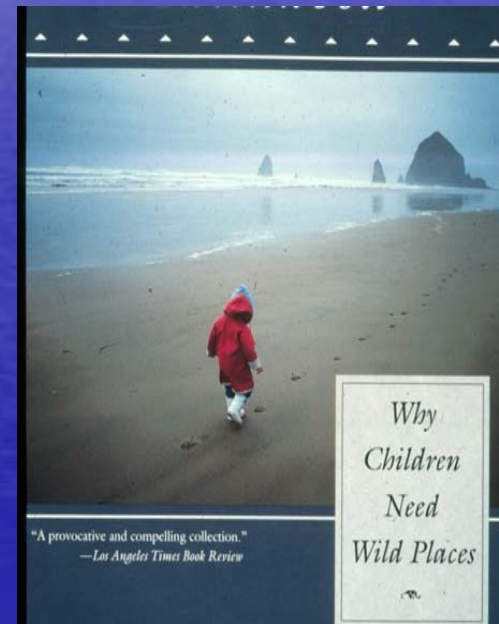
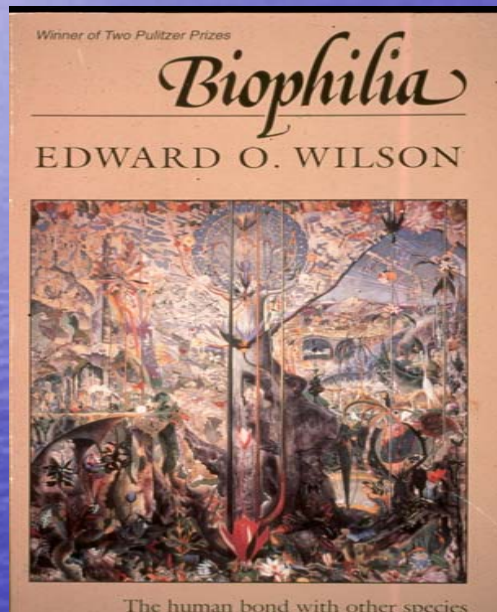


The Literature Spiritual to Scientific

"Connecting Children to the Natural World"

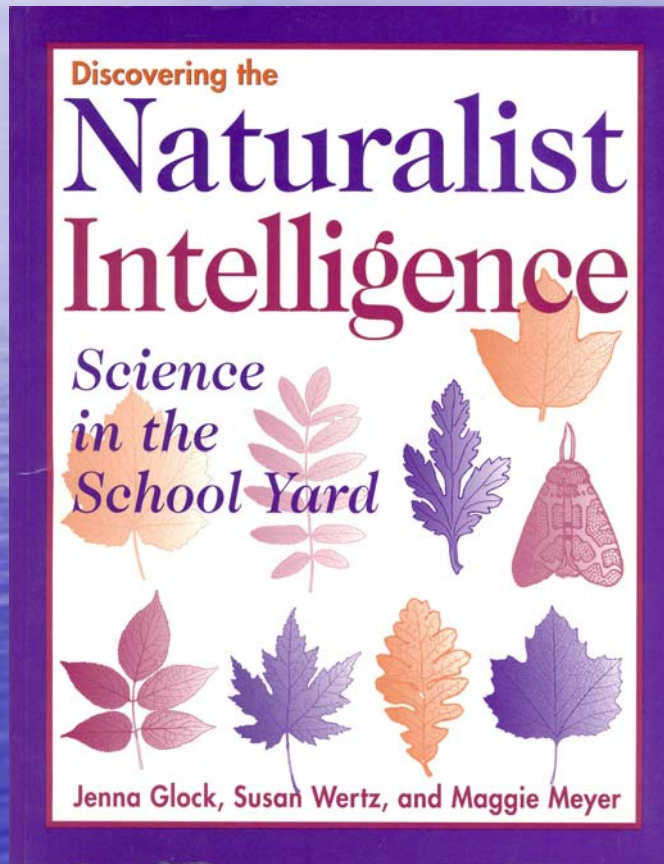


The Literature Spiritual to Scientific "Connecting Children to the Natural World"



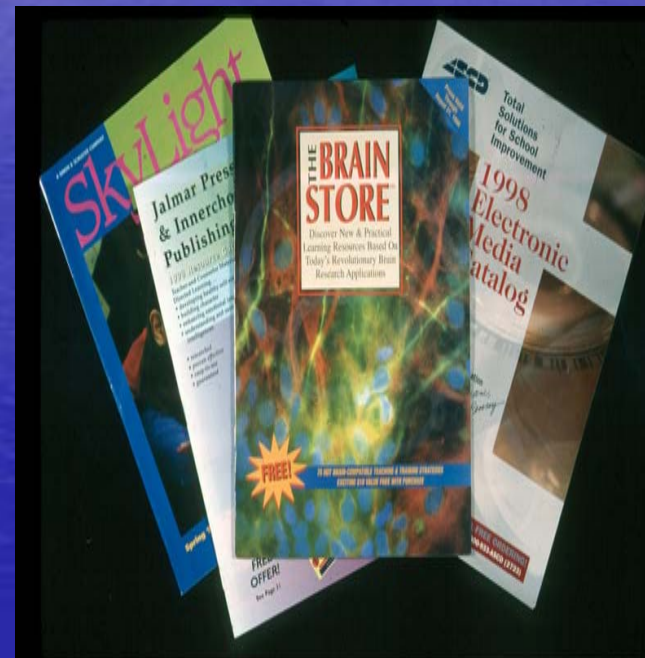
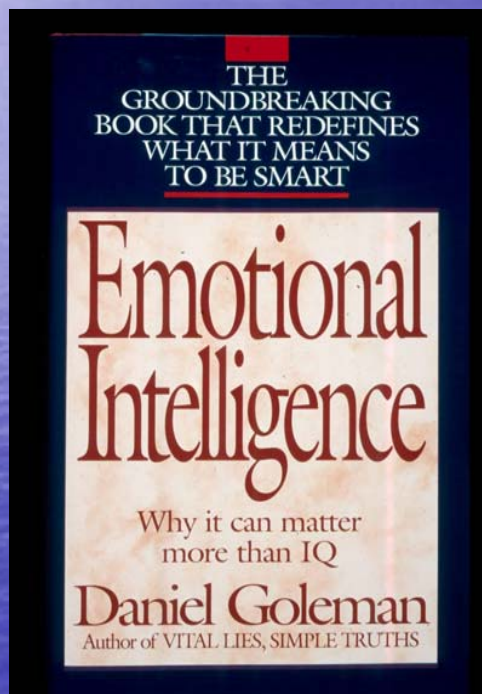
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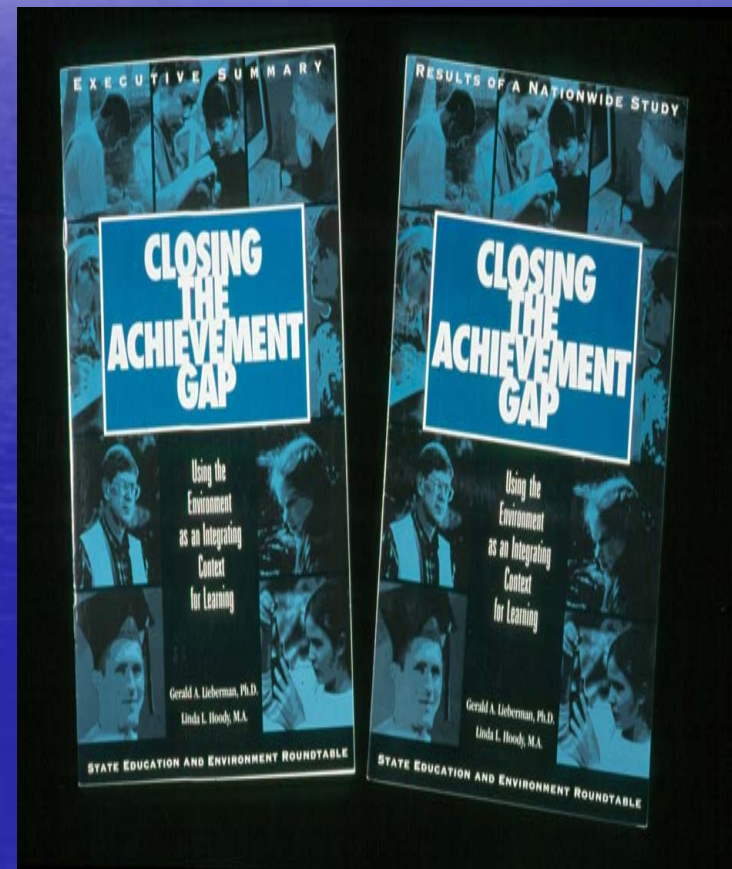
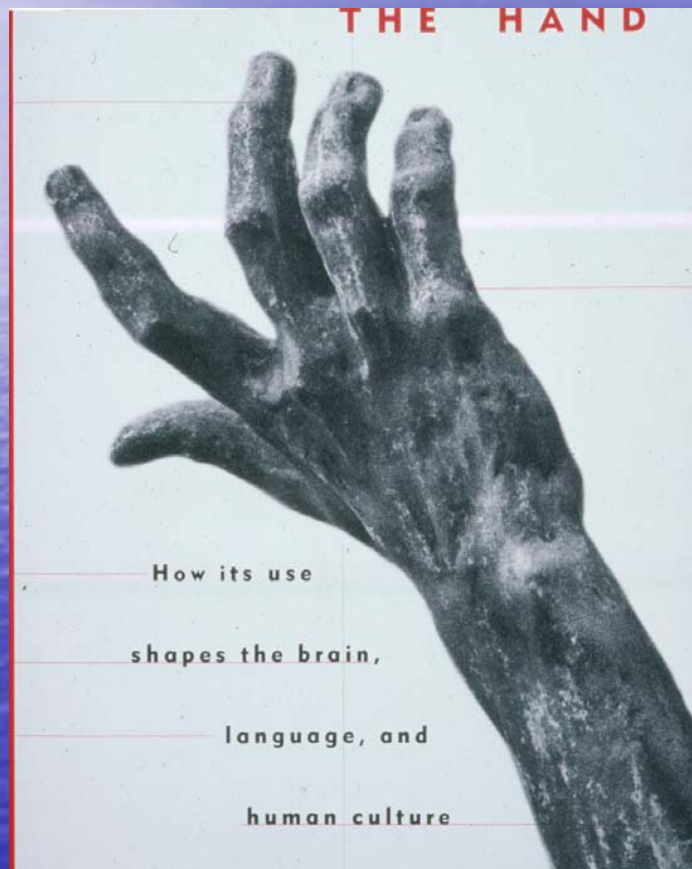


- **Howard Gardner**
- **Multiple Intelligences**
- **8th Intelligence**
- **Natural Settings**
- **Exploring, Collecting, Classifying**

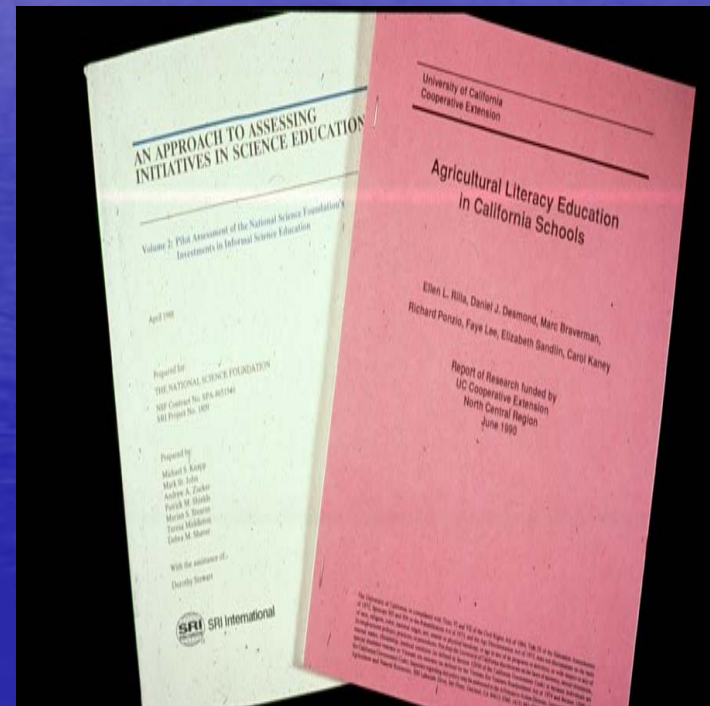
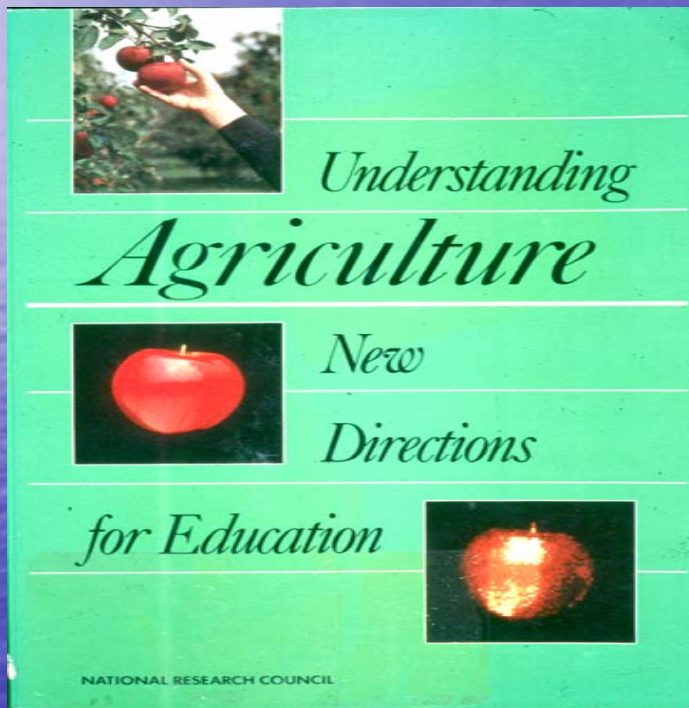
The Literature Spiritual to Scientific "Implementing Educational Reforms"



The Literature Spiritual to Scientific "Implementing Educational Reforms"



The Literature Spiritual to Scientific "Agricultural Literacy"



The Literature Spiritual to Scientific

It is relatively well documented that connecting children to the natural world on a daily basis is a good thing for a number of reasons.

What's the most practical strategy for doing that, especially in urban settings?

What Do We Know About Using Gardens in Education?

- Garden Based Learning in Basic Education: A Historical Review

<http://fourhcyd.ucdavis.edu>

- Revisiting Garden Based Learning in Basic Education: Philosophical Roots, Historical Foundations, Best Practices and Products, Impacts, Outcomes, and Future Directions

http://www.fao.org/sd/2003/kn0504_en.htm

From Theory to Practice... Requires Partnerships

- Learner & Educator
- Educator & Administrator
- Institutions, Parents & Community

The California Experience

Shortfalls

- Failure to introduce the concept of ecology: water, wildlife, soils, etc.
- Failure to use a strategy using inquiry based environmental education
- Failure to connect the key players as true partners



The 4-H National Wildlife Stewards

Maureen Hosty
Oregon State University



Model California Gardens

Rural

Suburban

Inner City





